-16

...ಪಟ್ಟಣ 09,

ಡಿ,

ಮಾ 265100 ವಿಭಾಗ

Engineer 28/2/16.
ura Division
ne, B.B.M.P.
-560092

SBRAO-77/16-17
R: 30-6-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265001
BR 262/30-6-16

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency K.R. Santhosh Kumar.
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work:- Construction of Kaluva Storm water Drain at Ganeshwara Layout in ward No: 009 Vidyaranyapura. Est. cost: Rs: 44.00 Lakhs Job code: 009-16-000011 Adm. No: BBMP/JC/YNK/RR/35/15-16 Dt: 20.8.15 Tech. No: BBMP/CE/YNK/PR/53/15-16 Dt: 21.8.15 Work ord/No: EE/RTP/BBMP/E-PMI/204/15-16 Dt: 12-2-16 Recorded: 30.6.16						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earth work excavation for foundation of Pumping Culverts, water supply, sanitary line & electri- cal conduits & trenches in Rly or in trenches 1.5m & above in width in Hard Soil not exceeding 1.5m in depth including dressing of bottom & sides of Pit & trenches & placing the excavated soil Clear from edges of excavation & lead upto 50m. after breaking & clods complete. Pre-measurement vide PNO: 265070/1440 (1). i.e 352.8 m³ @ Rs 200-00/m³						Rs 70560-00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
(2)	Providing & fillin broken metal 100m Including hand of all Materil & Pre-Measurement	
(3)	Providing & lay in Concrete of ra	

Contents	Reference to last Measurement
7	8
...dation ...kni...lding ...ry Lime & Cleshi ...trenches 1.5m & ...exceeding 1.5m ...ottom & Sides of ...excavated Soil ...s Lead upto ...Lakhs. ...070/1140 (1). 352.80 m³	Rs 70560=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265002

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Providing & filling in foundation with granite/trap broken metal 100mm, & clean size with approved sand including hand packing ramming, watering cost of all Materials & Labour. with all lead & lift etc. Pre-Measurement vide PAO: 26507-1/IT.NO (2). i.e 117.60 m³ @ Rs 1800=00/m³						Rs 211680=00
	(3) Providing & laying in Rubble Plain Cement Concrete of mix 1:5:6 with ope cement @ 220 kg per						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	40mm & down size graded granite Metal base application @0.892 cum & Top application @0.468 cum Machine mixed concrete laid in layer not less than 15cm thick well consolidated in foundation & Plinth. Including cost of all materials, Labour Hire & Machinery Curing &c complete.						
	Pre-Measurement Ref No: 26971/Lino (3).						
	i.e 78.40m³						
	@Rs 5000=00/m³					Rs 392000=00	
(6)	Providing TMT Steel reinforcement for RCC work Including Straightening cutting, bending, making						

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Placing in position co... tying wire bending ... member wherever ... (Cop, Hooks & Waste ... Cost of Materials Lab... and Per Specification ... Pre Measurement	

OK

Depth 6	Contents 7	Reference to last Measurement 8
...ground level ... ...proportion @ 0.465 cum ... in layer not less ...ked in foundation ...all materials, labour ...complete. 265071/Pno(3). i.e 78.40 M³ ...00=00/M³ Rs 392000=00 ...cement for RCC work ...ing, bending, shaping		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265003

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Bailing in position cutting & ~~&~~ bending wherever required typing wire & attaching to the adjoining members wherever necessary complete as per design. (Cap, Hooks & Waste steel not be measured & paid) Cost of Material, Labour, tools & machinery complete as per specification. Pre measurement vide Pno: ~~260~~ 265073/Pno:(6)					23.13 : M 22.15 T @ Rs 76499=00/T	Rs 1769422=00 1769422=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(4) Providing & removing centering, shuttering, strutting, propping etc & removal form work for vertical surfaces such as Wall or any thickness including attached Pilasters, buttresses, Plinth & String courses, Cost of all Materials, Labour etc complete. Per. Measurement vide Rad:						
					i.e 759.42 m²		
				@ Rs	223=00/m²		Rs 169351=00
	(5). Providing & laying cement concrete using 20mm & down size granite jelly of Ready mixed concrete (RMC) for RCC work laid in 15cm						

M. A. R
Measu

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	L
1	2	3	
	thick layer & well co — of wet mix using co — ding to wet stand head & fitts etc. co steel & bending concrete M. 20 (1:1.5:3) f footing Main & secon Bottom course.	1	15.
		1	15.0

Contents	Reference to last Measurement
7	8
& mortaring, & rubbing work for vertical thickness & curing & finishing complete.	
i.e 759.42 m²	
@ Rs 169351=00	
reinforcing 20mm ready mixed laid in 15cm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265004

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	under layer & well compacted vibrating, curing, finishing of wet mix using cement Ratio boom work, scaffolding to work stands pumping of concrete wall head & fitts etc complete (Excluding of cost of steel & fabrication Charges) Ready mixed Concrete M. 20 (1:1.5:3) for raft foundation, Column footing Main & secondary beams etc complete						
	Bottom concrete:						
		1	15.00	$\frac{4.20+3.85}{2}$	0.30	12.11m³	
		1	15.00	$\frac{3.85+3.95}{2}$	0.30	17.56m³	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{3.80+3.4}{2}$	0.30	17.44	
		1	4.60	$\frac{3.80+3.4}{2}$	0.30	4.32	
		1	15.00	$\frac{4.20+3.4}{2}$	0.20	18.90	
		1	15.00	4.20	0.30	17.10	
		1	6.20	3.25	0.20	6.23	
	Side Walls	2	15.00	0.20	1.55	9.30 m³	
		2	15.00	0.20	1.55	9.30 m³	
		2	15.00	0.20	1.55	9.30 m³	
		2	4.00	0.20	1.55	2.48 m³	
	L/S	1	16.00	0.50	1.55	12.40	

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	R/S	1
		1
		1
		1
		1
	Covering Slab	1
		1
		1

Executive Engineer
Byatarayanapura Division

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
3.80	0.30	17.44	
2			
3.4	0.30	4.32	
2			
3.4	0.20	18.90	17.10
2			
4.20	0.30	17.10	18.9
4.25	0.20	6.23	
0.20	1.55	9.30 m³	
0.20	1.55	9.30 m³	
0.20	1.55	9.30 m³	
0.20	1.55	2.48 m³	
0.50	1.55	12.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265005

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	R/S	1	15.00	0.20	1.55	4.65 m³	
		1	5.20	0.20	1.55	1.61 m³.	
		1	15.00	0.65	1.55	10.46 m³.	
		1	9.15	0.20	1.55	2.84 m³	
		1	12.05	0.20	1.55	3.73 m³	5.73
	Covering Slab	1	15.00	$\frac{4.20+3.85}{2}$	0.20	12.08 m³.	
		1	15.00	$\frac{3.85+3.95}{2}$	0.20	11.70 m³.	
		1	15.00	$\frac{3.95+3.60}{2}$	0.20	11.63 m³	

30 b

Executive Engineer
Byatarayanapura Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	4.00	$\frac{3.80+3.40}{2}$	0.20	2.88 m³	
		1	15.00	4.20	0.20	12.60 m³	
		1	15.00	$\frac{4.20+3.40}{2}$	0.20	11.40 m³	
		1	6.20	3.35	0.20	4.15 m³	
						232.16 m³	
						Deducted 231.28 m³	
						@ Rs 5800=00 / m³	Rs 13,41,424=00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Checked.

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

(7) Earth work excavation in deposited soil & filling side filling on both sides in layer not exceeding 20cm in depth compacting

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Each deposited layer with lead upto 50m & Total Lead Lay	2
		3
		3
		2
(8)	Lead for disposal	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Contents	Reference to last Measurement
	7	8
20	2.88 m³	
20	12.60 m³	
0	11.40 m³	
0	4.15 m³, 232.16 m³	
d	231.28 m³	
20	m³ Rs 13,41,424=00	
	orated soil &	
	ings in layer	
	of compacting	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265006

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Each deposited layer by scanning after watering well leaved with spade & beaten with 1.5 kg including cost of Materials, labour complete,						
		2	15.00	2.00	1.25	105.00 m³	
		2	15.00	2.00	1.25	105.00 m³	
		2	15.00	2.00	1.25	105.00 m³	
		2	4.00	2.00	1.25	28.00 m³	
						343.00 m³	
				@	Rs 202=00	m³ Rs 69286=00	
(8)	Lead for disposal of debris shall be payable at						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Carriage taken by Mechanical means Including Loading & Unloading from 0.00 to 2.00 Kms						
	Under Qty sno: ①					i.e 317.52	
	@ 68.32/m³					Rs 21696=00	
						Rs 40,45,266=00	

CERTIFICATE

This is certify that work done Satisfactorily.

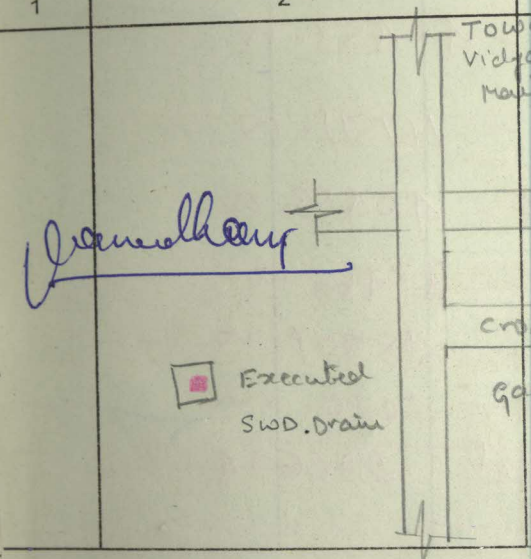
30.6.16

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

KEYPLAN.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



K

Depth 6	Contents 7	Reference to last Measurement 8
	Measurements Including 0.00 to 2.00 Cu.m i.e. 317.52	
	Rs 21696=00	
	Rs 40,45,266=00	
	Executive Engineer Division -97	

KEYPLAN.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265097

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Towards Vidyaranyapura main Road SWD. 36.20m 4.20m 49.00m 3.15 Cross Road. Ganeshwari Layout Executed SWD. Drain Navalipura Lake Towards Thindlu main Road						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

BP-262

Date	tion, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
30/6/16							

Audited & Admitted for Rs 4045260-00

Rupees 3768586-00 (Three lakhs sixty eight thousand five hundred and Rs 276674-00 Eighty six only)

Accts Suprdt

Byatarayanapura Dn BBMP

Exe. Engineer Byatarayanapura Dn BBMP.

IT - 40453-00

VAT - 16181-00

LOP - 40453-00

CSF - 4046-00

SR - 28901-00

PTO - 1010-00

Total - 276674-00

M. A. F
Mea

Serial No. .....

Name of Work ..... From...

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3